CLAIMS

1. A method of manufacturing a composite panel comprising the steps of:

forming a first panel having a peripheral lip and a plurality of raised projections defining coplanar surfaces;

forming a second panel having a substantially planar surface and a peripheral lip;

applying an adhesive to at least said coplanar surfaces of said first panel; and

securing said second panel to said first panel with said peripheral lips in substantial proximity.

2. The method of manufacturing a composite panel of Claim 1 wherein said raised projections are a plurality of convolutions.

3. The method of manufacturing a composite panel of Claim 1 wherein said raised projections are a plurality of frusto-conical projections.

4. The method of manufacturing a composite panel of Claim 1 wherein said raised projections are triangles arranged in a closed X pattern.

5. The method of manufacturing a composite panel of Claim 1 further including a plurality of elongate projections having a height less than said raised projections.

6. The method of manufacturing a composite panel of Claim 1 further including the step of applying adhesive to said peripheral lip of said first panel.

7. The method of manufacturing a composite panel of Claim 1 wherein said first and second panels are formed of thermoformable material.

8. A method of manufacturing a composite panel comprising the steps of:

forming a first panel having a peripheral lip and a plurality of raised features;

forming a second panel having a surface and a peripheral lip;

applying an adhesive to at least said raised features of said first panel; and

securing said second panel to said first panel.

9. The method of manufacturing a composite panel of Claim 8 further including the step of applying adhesive to one of said peripheral lips.

10. The method of manufacturing a composite panel of Claim 9 wherein said raised features are a plurality of convolutions.

11. The method of manufacturing a composite panel of Claim 9 wherein said raised features are a plurality of frusto-conical projections.

12. The method of manufacturing a composite panel of Claim 9 wherein said raised features are triangles arranged in a closed X pattern.

13. The method of manufacturing a composite panel of Claim 9 further including a plurality of elongate features having a height less than said raised features.

14. The method of manufacturing a composite panel of Claim 9 wherein said first and second panels are formed of thermoformable material.

15. A composite panel comprising, in combination a first panel having a first peripheral lip and a plurality of raised features;

a second panel having a surface and a second peripheral lip;

adhesive disposed on at least said raised features and one of said peripheral lips; and

said adhesive securing said panels together about three peripheral lips.

16. The composite panel of Claim 15 wherein said raised features are a plurality of frusto-conical projections.

17. The composite panel of Claim 15 wherein said raised features are a plurality of convolutions.

18. The composite panel of Claim 15 wherein said raised features are four triangles arranged in a closed X pattern.

19. The composite panel of Claim 15 further including a plurality of elongate features having a height less than said raised features.